

900 SEWERAGE WORK

ITEM 920 - TUNNEL SHAFT/JACKING PIT

- 920.01 Description**
- 920.02 Materials**
- 920.03 General**
- 920.04 Excavation**
- 920.05 Backfill**
- 920.06 Method of Measurement**
- 920.07 Basis of Payment**

920.01 Description. This work shall consist of the excavation, removal of water, shaft supports, backstops, guides where necessary and backfill of the shaft or pit at the locations shown on the plans and as specified herein.

920.02 Materials. The Contractor shall use such materials as are required for his method of construction operations and to maintain the vertical face of the shaft excavation. Such materials shall assure the protection of the work and safety of the personnel.

920.03 General. The Contractor shall submit to the Engineer for approval, prior to commencement of operations, his plan of operation and construction schedule, a description of the type of materials to be used and the materials handling equipment. The location of the tunnel shaft or jacking pit for the tunnel and pipe sewer size specified shall be as indicated on the plans and according to contract documents. *Six copies of* this information shall be furnished and all copies will be forwarded by the Engineer to any authority involved for its approval. One approved copy will be returned to the Contractor. The Contractor shall be responsible for the payment of any cost which may result due to the authority's requirements, of whatever nature, including the furnishing of watchman and supervision by its forces. Approval of the Engineer shall not relieve the Contractor from its obligations to assure the safe conduct and quality of the work specified.

920.04 Excavation. The Contractor shall excavate all material of whatever nature encountered, including rock, necessary for the construction of the work and be of such dimension in all cases as will give ample room for construction. The removal of any obstruction or relocation of any utility within 1 foot (0.3 m) outside the outer edge of the tunnel shaft, if not specifically called to be removed or relocated by the plans, shall be done by the Contractor at no additional cost to the City. All excavated material shall be considered unclassified material.

920.05 Backfilling. The work shall be done according to Section 901.17.

920.06 Method of Measurement. The number of tunnel shafts or jacking pits at the locations specified shall be the actual number of each accepted.

920.07 Basis of Payment. Payment will be made at the contract price for:

Item	Unit	Description
920	Lump Sum	Tunnel Shaft at Station _____
920	Lump Sum	Jacking Pit at Station _____